AMENDMENTS TO THE CLAIMS

Please cancel claims 9, 12 and 26-28.

Please amend claims 1, 13, 20, 29 and 31.

Listing of Claims

1. (Currently Amended) An in vivo imaging device comprising:

a first rigid circuit board having disposed thereon an image sensor, said first circuit board having a top surface and a bottom surface; and

a second rigid circuit board comprising a cut out sized for accommodating at least one power source, said second circuit board being in electrical communication with the first circuit board and extending at an angle of about 90° from the bottom surface of the first circuit board, said second circuit board having disposed thereon at least one illumination source illuminating in a direction substantially perpendicular to said second circuit board.

2-3. (Canceled)

4. (Previously Presented) The device according to claim 1 wherein the illumination source includes an LED.

5. (Original) The device according to claim 1 wherein the second circuit board comprises circuitry for processing image signals.

6. (Original) The device according to claim 1 wherein the second circuit board is configured for accommodating an ASIC.

7. (Original) The device according to claim 1 wherein the second circuit board is configured for accommodating a transmitter.

8. (Canceled)

9. (Canceled)

10. (Previously Presented) The device according to claim 1 comprising a light redirecting device.

11. (Original) The device according to claim 10 wherein the light redirecting device is selected from the group consisting of: a prism, a mirror and a fiber optic light guide.

12. (Canceled)

13. (Currently Amended) In an in vivo imaging device, a first rigid circuit board having disposed thereon an image sensor, said first circuit board configured for being in electrical communication with a second rigid circuit board and extending substantially perpendicularly to the second circuit board, wherein said second rigid circuit board comprises a cut out sized for accommodating at least one power source and has disposed thereon at least one illumination source illuminating in a direction substantially perpendicular to said second circuit board.

14. (Previously Presented) The imaging device according to claim 13, wherein said first circuit board comprises attaching means for attaching the first circuit board substantially perpendicularly to the second circuit board.

15. (Original) The imaging device according to claim 14 wherein the attaching means includes electrically communicating means.

16. (Original) The imaging device according to claim 13 comprising circuitry for processing image signals.

17. (Previously Presented) The imaging device according to claim 13 wherein the imaging device is configured for accommodating at least a transmitter.

18. (Previously Presented) The imaging device according to claim 13 wherein the imaging device is configured for accommodating at least an illumination source.

19. (Previously Presented) The imaging device according to claim 18 wherein the illumination source includes an LED.

20. (Currently Amended) In an in vivo imaging device, an image sensor, said sensor configured for being in electrical communication with a rigid circuit board, said circuit board extending substantially perpendicularly to the image sensor, wherein said circuit board comprises a cut out sized for accommodating at least one power source and has disposed

thereon at least one illumination source illuminating in a direction substantially perpendicular to said circuit board.

21. (Previously Presented) The imaging device according to claim 20 wherein the sensor comprises a second circuit board having a socket or slot configured for accommodating a side edge of said first circuit board.

22. (Previously Presented) The imaging device according to claim 21 wherein the socket or slot comprises communication means for electrically communicating with the second circuit board.

23-25. (Canceled)

26-28. (Canceled)

29. (Currently Amended) An in vivo imaging device comprising a housing wherein within said housing comprises:

an imager comprising at least one lens;

a power source; and

an antenna, said antenna disposed within and spaced from said housing, and substantially between the power source and the imager.

30. (Original) The device of claim 29, wherein the power source includes a battery.

31. (Currently Amended) A capsule comprising:

an optical window behind which are disposed:

an illumination source;

a first rigid circuit board configured for accommodating at least an image sensor, said first circuit board having a bottom surface; and

a second rigid circuit board comprising a cut out sized to accommodate at least one power source, said second circuit board being in electrical communication with the first circuit board and extending substantially perpendicularly from the bottom surface of the first circuit board,

wherein said illumination source is disposed on said second circuit board and illuminates in a direction substantially perpendicular to said second circuit board.

32-33. (Canceled)

34. (Previously Presented) The imaging device according to claim 13, further comprising a light guide for altering the path of light emitted from said illumination source.

35. (Previously Presented) The imaging device according to claim 34, wherein said path of light emitted is altered in a direction parallel to said second circuit board.

36. (Previously Presented) The imaging device according to claim 20, further comprising a light guide for altering the path of light emitted from said illumination source.

37. (Previously Presented) The imaging device according to claim 36, wherein said path of light emitted is altered in a direction parallel to said circuit board.

38. (Previously Presented) The capsule according to claim 31, further comprising a light guide for altering the path of light emitted from said illumination source.

39. (Previously Presented) The capsule according to claim 38, wherein said path of light emitted is altered in a direction parallel to said second circuit board.

40. (Previously Presented) The imaging device according to claim 10, wherein light redirected by said light redirecting device is redirected in a direction parallel to said second circuit board.